Work Order ID 91685 ***91685*** Page 1 October-15-12 10:31:03 AM D3186-4 Item ID: Accept *N900040100* Setup Start **Revision ID:** Spacepod Door, RH Item Name: Start Date: 10/15/12 Start Qty: 1.00 **Cust Item ID: Req'd Qty:** 1.00 Required Date: 11/05/12 **Customer:** Reference: Run Process Plan: MLJ Date: \2-(0-\5 Tooling: Approvals: Date: Stop QC: Date: SPC (Y/N): Date: Sequence ID/ Operation Set Up/ **Tool ID** Tool # Plan Accept Reject Reject Insp. **Work Center ID** Description Code Qty Number Stamp **Run Hours Qty** Draw Nbr **Revision Nbr** D3186 Rev E 100 0.00 Small Fab *100* TT 13 21 311 Small Fab 0.00 Memo Small Fab 1-Trim door to fit spacepod before drill holes and cut out slots for latch as per dwg D3186 (D3186-4 detail) OC5- Inspect part completeness to step on W/O 110 0.00 (16) 13 (02 of *110* QC Memo Quality Control Identify as per dwg & Stock Location: Carry 120 ZT 13-01-31 *120* PNS 91687

Packaging Packaging

0.00

					•					DQA:	Date:				
NCR: Yes	/ No				WORK ORDER NON-CONFORMANCE / UPDATE					QA Closed:	Date:				
Work Order:					DISPOSITION	į	AGAINST DEPARTMENT/PROCESS								
Part No.	Part No.				Rework Scrap Use-as-is Work Order Update		Skid-tube Crosstube Machining Small Fab Thermoforming Finishing Large Fab Composite			` ` ` ` ` ` ` ` ` ` ` `		Engineering Quality Other			
Root				Descri	ption of work order update	- 1.	nitial	Ac	tion	Sign &					
Cause	Date	Step	Qty		or Non-conformance	Ch	ief Eng	Desc	ription	Date	Verification	QC Inspector			
Doc/Data Equip/Tooling Operator Material Setup Other															

Landing G	Gear	General	<u>.</u>		 _
	Bending	Bend	Grain	Ovalized	Pressure/Forced
	Centre Not Concentric to O/S	BOM/Route	Hardware	Over/Under tolerance	Temperature/Cure
	Cracks	Broken/Damaged	Inspection Incomplete	Part Incorrect	Weld
	Crushed/Crimped.	Burrs	Instructions Incomplete/Unclear	Part Lost/Missing	Wrong Stock Pulled
	Cuffs	Contamination	Maintenance	Part Moved	
	Heat Treat	Countersink	Mislabeled	Positioned Wrong	_
	Inspection Strip in Tube	Cut Too Short	Misread	Power Loss/Surge	Other
	Ripples in Bend	Drill Holes	Offset		
	Torque Waves in Extrusion	Drawing	Out of Calibration		
	Turning Sequence	Finish	Out of Sequence		

Outside Dimensions

FAULT CATEGORY

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Wave/Twist in Tube

Folio

Process
Supplier
Training
Unapproved

Work Orde							Page 2					
Revision ID:	D3186-4	DU		Accept	*N900	040	100	*	Setup	Start Stop		S1* S2*
Item Name:Spacepod Door, RHStart Date:10/15/12Start Qty: 1.00Required Date:11/05/12Req'd Qty: 1.00			*1* *1*		Cust Item ID: Customer:					·	"IVI	5 /"
Approvals: Process Plan: QC:			Date:	Tooling: SPC (Y/N):	Date:				Run	Start Stop	*N *N	R1* R2*
Sequence ID/ Work Center ID 130 *130* QC Quality Control	Operation Description QC21- Final Inspection Memo		Work Order Release	Set Up/ Run Hours 0.00	Tool ID Tool #		Plan Code	Accep	t Re Qt	3/0	Reject Insp. Number Stamp	

									DQA:	Date:						
NCR: Yes	s / No				WORK ORDER NON-C		QA Closed:	Date:								
Work Order:	·				DISPOSITION		AGAINST DEPARTMENT/PROCESS									
Part No					Rework Scrap Use-as-is Work Order Update	Scrap Machining Small Fab Use-as-is Thermoforming Finishing				Water Jet d. Eng. Coor. re/Packaging Supplier	Engineering Quality Other					
Root				Descri	ption of work order update	Initial	Ac	tion	Sign &							
Cause	Date	Step	Qty		or Non-conformance	Chief Eng	Desc	ription	Date	Verification	QC Inspector					
Doc/Data																
Equip/Tooling																
Operator		}														
Material																
Setup		İ														
Other																
Process																
Supplier	7															

Bend Grain Ovalized Pressure/Forced Bending Centre Not Concentric to O/S BOM/Route Hardware Temperature/Cure Over/Under tolerance Cracks Broken/Damaged Inspection Incomplete Part Incorrect Weld Crushed/Crimped. Burrs Instructions Incomplete/Unclear Part Lost/Missing Wrong Stock Pulled Maintenance Part Moved Cuffs Contamination Countersink Positioned Wrong Mislabeled Heat Treat Cut Too Short Misread Power Loss/Surge Other Inspection Strip in Tube Drill Holes Offset Ripples in Bend Torque Waves in Extrusion Drawing Out of Calibration Turning Sequence Out of Sequence Finish Folio Wave/Twist in Tube Outside Dimensions

FAULT CATEGORY

General

Training Unapproved

Landing Gear

Picklist Print

October-15-12 10:31:02 AM

Work Order ID:

91685

Parent Item:

Comments:

D3186-4

Parent Item Name:

Spacepod Door, RH

IPP Rev:A New Issue 07-01-11 EC revD IPP rev.B 07.03.07 ec

Start Date: 10/15/12

Required Date: 11/05/12

Start Oty: 1.00

Required Qty: 1.00

	door before drilling	DD verf:EC										,	
Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D3186-2M SPACEPOD DOOR RH		Manufactured	No		B9170	100	Each	1.0000	1	1	3-01	-31	
				Location		Loc Qty	<u>Lo</u>	c Code					
				CA		1							

75463

IPP Rev:C 10-08-11 added trim

										DQA:	Date	2:
NCR:	es / No				WORK ORDER NON-C							
										QA Closed:	Date	2:
Work Orde	· ·				DISPOSITION				AGAINST DE	PARTMENT	/PROCESS	
WOIK OIGE					Rework		Skid-tube	Crosstube		Water Jet	Engineering	
Part N	No.				Scrap	1		Machining	Small Fab	Pro	d. Eng. Coor.	Quality
					Use-as-is	1		noforming	Finishing	l	re/Packaging	Other
NCR N	No				Work Order Update]		Large Fab	Composite		Supplier	
Root				Descri	tion of work order update		nitial	Ac	tion	Sign &		
Cause	Date	Step	Qty		or Non-conformance	Ch	ief Eng	Desc	ription	Date	Verification	QC Inspector
Doc/Data												
Equip/Tooling												
Operator												
Material						1						
Setup												
Other												
Process												
Supplier		1										
Training												
Unapproved				_						<u> </u>		
					· F.	AUL	T CATE	GORY				<u></u>
Landi	ng Gear				General	_	,			7	-	
	Bending			ļ	Bend		Grain			Ovalized		Pressure/Forced
	Centre N	ot Conce	ntric to	O/S	BOM/Route		Hardwa	re		Over/Under	tolerance	Temperature/Cure
	Cracks				Broken/Damaged	L	4	on Incomplete		Part Incorre	ct	Weld
	Crushed/	Crimped.			Burrs		-1	ions Incomplete/	Unclear	Part Lost/M	issing	Wrong Stock Pulled
	Cuffs				Contamination		Mainte	nance		Part Moved		
	Heat Trea	at			Countersink		Mislabe	led		Positioned \	Nrong _	_
	Inspectio	n Strip in	Tube		Cut Too Short		Misread	l		Power Loss,	/Surge	Other
	Rinnles in	Rend			Drill Holes	Holes						

Out of Calibration

Out of Sequence

Outside Dimensions

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Turning Sequence

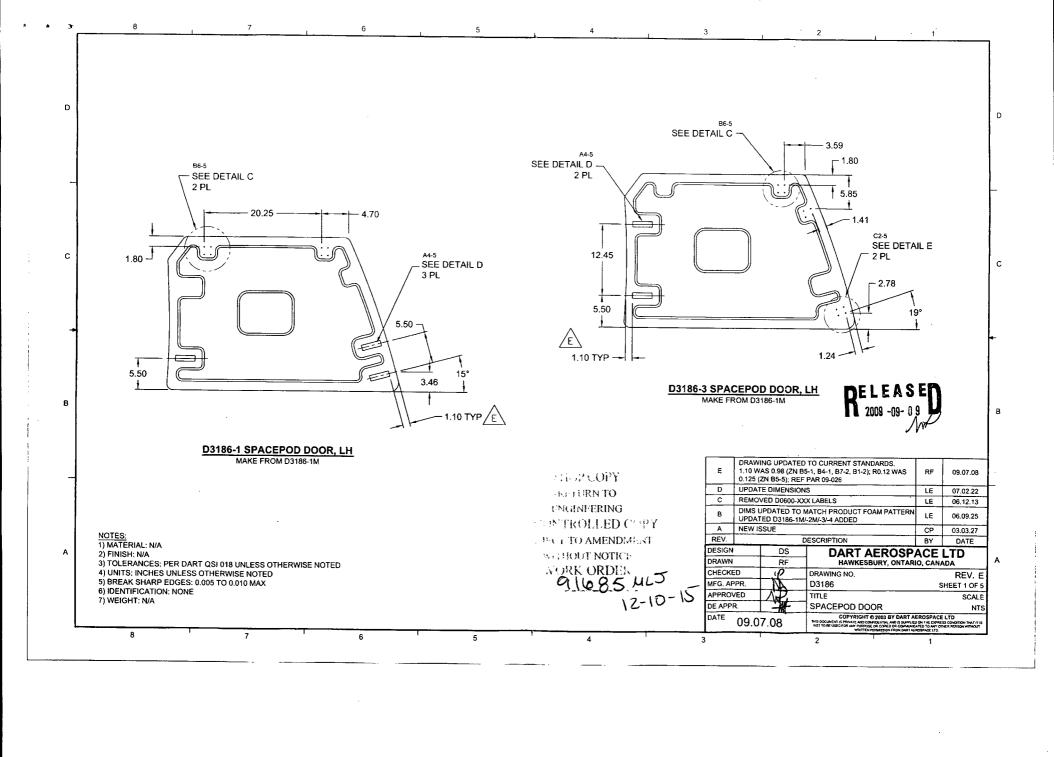
Wave/Twist in Tube

Torque Waves in Extrusion

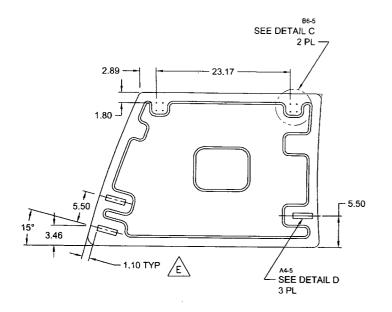
Drawing

Finish

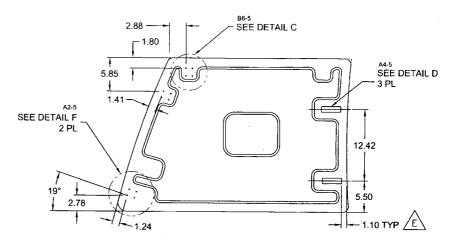
Folio



91605



D3186-2 SPACEPOD DOOR, RH MAKE FROM D3186-2M



D3186-4 SPACEPOD DOOR, RH MAKE FROM D3186-2M

В

Α

NOTES: 1) MATERIAL: N/A

2) FINISH: N/A

3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX

6) IDENTIFICATION: NONE

7) WEIGHT: N/A

DESIGN DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DS DRAWN RF CHECKED DRAWING NO. REV. E MFG. APPR. D3186 SHEET 2 OF 5 APPROVED TITLE SCALE DE APPR. SPACEPOD DOOR NTS COPYRIGHT © 2003 BY DART AEROSPACE LTD DATE 09.07.08

MAIN LAYUP 9 OZ SATIN (9 SQ FEET) D 9 OZ SATIN (9 SQ FEET) FOAM 9 OZ SATIN (9 SQ FEET) 12 OZ UNIDIRECTIONAL C6-5 SEE DETAIL A 9 OZ SATIN (9 SQ FEET) 3 PL RESIN (35-45% BY WEIGHT) PEEL PLY **ROUTER FOAM TO ROUTER PATTERN** D3186-1T1 P/N D3186-101 С C4-5 12.4 SEE DETAIL B 3 PL 1.0 TYP -12 OZ UNIDIRECTIONAL 4.5" WIDE ALONG **OUTSIDE EDGE** В D3186-1M SPACEPOD DOOR AS MOLDED NOTES: 1) MATERIAL: RESIN = EPOCAST 50-A/9816 OR DERAKANE 470-36/411/510A40 FOAM = 3/8", A500 CORE-CELL OR DIVINYCELL OR AIREX OR KLEGECELL FIBRE = 9.7 OZ 7781 WEAVE "S" GLASS ("9 OZ SATIN") 12 OZ UNIDIRECTIONAL FIBERGLASS ("12 OZ UNIDIRECTIONAL") LAMINATE PER DART QSI 006 4.0 LAMINATION SCHEDULE PER THIS DRAWING 2) FINISH: FINISH INSIDE/OUTSIDE WITH DUPONT HIGHBUILD GREY PRIMER 1144-S 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DESIGN DS Α 4) UNITS: INCHES UNLESS OTHERWISE NOTED DRAWN RF 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX CHECKED DRAWING NO. REV. E 6) IDENTIFICATION: NONE MFG, APPR. D3186 SHEET 3 OF 5 7) WEIGHT: 7.0 lbs APPROVED 8) USE MOLD DT8005 FOR DOOR LAYUP TITLE SCALE DE APPR. SPACEPOD DOOR COPYRIGHT © 2003 BY DART AEROSPACE LTD DATE 09.07.08

